IN THE CLAIMS

Please amend claims 2, 6 thru 9, 21 thru 39, 41 thru 44 and 47 thru 70, as follows:

Claim 1. (Canceled)

2.   (Currently Amended)   A method of hot-plugging a video display unit to a computer, comprising the steps of:

providing the computer with a processing unit, a memory unit connected to said processing unit, a digital data communication (DDC) interface connected to said processing unit, and a video card connected to said processing unit and coupled to said video display unit;

while power is being supplied to [[a]] said processing unit, detecting whether [[a]] said video display unit is newly coupled to a connecting unit of said processing unit, said video display unit conveying varying visual information to a user, and said processing unit processing data including the varying visual information;

when said video display unit is detected as being newly coupled to said connecting processing unit while power is being supplied to said processing unit, reading operating said DDC interface and said processing unit to read first data corresponding to said video display unit from said video display unit;

determining whether said first data corresponds to second data stored in [[a]] said memory unit; and

when said first data does not correspond to said second data stored in said memory unit,

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17 storing said first data in said memory unit, [[and]] determining a resolution corresponding to said

18 video display unit, and transmitting said resolution to [[a]] said video card coupled to said video

19 display unit; [[and]]

20 said detecting ~~further~~ step comprising operating said processing unit to carry out a polling

21 operation periodically ~~checking~~ with respect to said DDC interface so as to determine whether said

22 video display unit is newly coupled to said ~~connecting~~ processing unit.

Claims 3 through 5. (Canceled)

1   6.   (Currently Amended) A method of hot-plugging a video display unit to a computer,

2   comprising:

3   providing the computer with a processing unit, a memory unit connected to said processing

4   unit, a digital data communication (DDC) interface connected to said processing unit, and a video

5   card connected to said processing unit and coupled to said video display unit;

6   while power is being supplied to [[a]] said processing unit, detecting whether [[a]] said video

7   display unit is newly coupled to ~~a connecting unit of~~ said processing unit, said video display unit

8   conveying varying visual information to a user, and said processing unit processing data including

9   the varying visual information;

10 when said video display unit is detected as being newly coupled to said ~~connecting~~

11 processing unit while power is being supplied to said processing unit, ~~reading~~ operating said DDC

12 interface and said processing unit to read first data corresponding to said video display unit from said

13 video display unit;

14 determining whether said first data corresponds to second data stored in [[a]] said memory

15 unit; and

16 when said first data does not correspond to said second data stored in said memory unit,

17 storing said first data in said memory unit, [[and]] determining a resolution corresponding to said

18 video display unit, and transmitting said resolution to [[a]] said video card coupled to said video

19 display unit; [[and]]

20 said detecting ~~further~~ step comprising operating said processing unit to carry out a polling

21 operation periodically ~~checking~~ with respect to said DDC interface so as to determine whether said

22 video display unit is newly coupled to said ~~connecting~~ processing unit, said detecting step being

23 performed while power is being newly supplied to said processing unit.

1   7.   (Currently Amended) A method of hot-plugging a video display unit to a computer,

2 comprising:

3   providing the computer with a processing unit, a memory unit connected to said processing

4 unit, a digital data communication (DDC) interface connected to said processing unit, and a video

5 card connected to said processing unit and coupled to said video display unit;

6   while power is being supplied to [[a]] said processing unit, detecting whether [[a]] said video

7 display unit is newly coupled to ~~a connecting unit of~~ said processing unit, said video display unit

8 conveying varying visual information to a user, and said processing unit processing data including

9 the varying visual information;

10   when said video display unit is detected as being newly coupled to said ~~connecting~~

11   processing unit while power is being supplied to said processing unit, ~~reading~~ operating said DDC

12   interface and said processing unit to read first data corresponding to said video display unit from said

13   video display unit;

14   determining whether said first data corresponds to second data stored in [[a]] said memory

15   unit; and

16   when said first data does not correspond to said second data stored in said memory unit,

17   storing said first data in said memory unit, [[and]] determining a resolution corresponding to said

18   video display unit, and transmitting said resolution to [[a]] said video card coupled to said video

19   display unit; [[and]]

20   said detecting ~~further~~ step comprising operating said processing unit to carry out a polling

21   operation periodically ~~checking~~ with respect to said DDC interface so as to determine whether said

22   video display unit is newly coupled to said ~~connecting~~ processing unit, said detecting step being

23   performed after power has been newly supplied to said processing unit.

1   8.   (Currently Amended) A method of hot-plugging a video display unit to a computer,

2   comprising:

3   providing the computer with a processing unit, a memory unit connected to said processing

4   unit, a digital data communication (DDC) interface connected to said processing unit, and a video

5   card connected to said processing unit and coupled to said video display unit;

6   while power is being supplied to [[a]] said processing unit, detecting whether [[a]] said video

7 display unit is newly coupled to ~~a connecting unit of~~ said processing unit, said video display unit

8 conveying varying visual information to a user, and said processing unit processing data including

9 the varying visual information;

10 when said video display unit is detected as being newly coupled to said ~~connecting~~

11 <u>processing</u> unit while power is being supplied to said processing unit, ~~reading~~ <u>operating said DDC</u>

12 <u>interface and said processing unit to read</u> first data corresponding to said video display unit <u>from said</u>

13 <u>video display unit</u>;

14 determining whether said first data corresponds to second data stored in [[a]] <u>said</u> memory

15 unit;

16 when said first data does not correspond to said second data stored in said memory unit,

17 storing said first data in said memory unit, [[and]] determining a resolution corresponding to said

18 video display unit, and transmitting said resolution to [[a]] <u>said</u> video card coupled to said video

19 display unit; [[and]]

20 said detecting ~~further~~ <u>step</u> comprising a sensing of an interrupt signal ~~occurring~~ <u>generated</u>

21 <u>by said DDC interface</u> when said video display unit is newly coupled to said ~~connecting~~ <u>processing</u>

22 unit, said detecting <u>step</u> being performed while power is being newly supplied to said processing

23 unit.

1 9. (Currently Amended) A method <u>of hot-plugging a video display unit to a computer,</u>

2 comprising:

3 <u>providing the computer with a processing unit, a memory unit connected to said processing</u>

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4   unit, a digital data communication (DDC) interface connected to said processing unit, and a video

5   card connected to said processing unit and coupled to said video display unit;

6   while power is being supplied to [[a]] said processing unit, detecting whether [[a]] said video

7   display unit is newly coupled to ~~a connecting unit of~~ said processing unit, said video display unit

8   conveying varying visual information to a user, and said processing unit processing data including

9   the varying visual information;

10   when said video display unit is detected as being newly coupled to said ~~connecting~~

11   processing unit while power is being supplied to said processing unit, ~~reading~~ operating said DDC

12   interface and said processing unit to read first data corresponding to said video display unit from said

13   video display unit;

14   determining whether said first data corresponds to second data stored in [[a]] said memory

15   unit;

16   when said first data does not correspond to said second data stored in said memory unit,

17   storing said first data in said memory unit, [[and]] determining a resolution corresponding to said

18   video display unit, and transmitting said resolution to [[a]] said video card coupled to said video

19   display unit; and

20   said detecting ~~further~~ step comprising a sensing of an interrupt signal ~~occurring~~ generated

21   by said DDC interface when said video display unit is newly coupled to said ~~connecting~~ processing

22   unit, said detecting step being performed after power has been newly supplied to said processing

23   unit.

Claims 10 through 20. (Canceled)

1   21. (Currently Amended)   A method of hot-plugging a video display unit to a computer,

2   comprising:

3   providing the computer with a processing unit, a memory unit connected to said processing

4   unit, a digital data communication (DDC) interface connected to said processing unit, and a video

5   card connected to said processing unit and coupled to said video display unit;

6   connecting [[a]] said video display unit to [[a]] said computer system after said computer

7   system has been powered on and initialized, said video display unit conveying varying visual

8   information to a user;

9   detecting whether said video display unit is connected to said computer system;

10   when said video display unit is detected as being connected to said computer system, reading

11 operating said DDC interface and said processing unit to read first data corresponding to said video

12 display unit;

13   determining whether said first data corresponds to second data stored in [[a]] said memory

14 unit; and

15   when said first data does not correspond to said second data stored in said memory unit,

16 storing said first data in said memory unit, [[and]] identifying a resolution corresponding to said

17 video display unit, and transmitting said resolution to [[a]] said video card coupled to said video

18 display unit.

1   22. (Currently Amended)   The method of claim 21, said connecting, detecting, ~~reading~~

2   <u>operating</u>, determining, storing, identifying, and transmitting <u>steps</u> being performed without

3   rebooting said computer ~~system~~.

1   23. (Currently Amended)   The method of claim 22, said detecting ~~further~~ <u>step</u> comprising

2   <u>operating said processing unit to carry out</u> a polling operation periodically ~~checking~~ <u>with respect to</u>

3   <u>said DDC interface so as</u> to sense when said video display unit is connected to said computer ~~system~~.

1   24. (Currently Amended)   The method of claim 21, said detecting ~~further~~ <u>step</u> comprising

2   <u>operating said processing unit to carry out</u> a polling operation periodically ~~checking~~ <u>with respect to</u>

3   <u>said DDC interface so as</u> to sense when said video display unit is connected to said computer ~~system~~.

1   25. (Currently Amended)   The method of claim 21, said detecting ~~further~~ <u>step</u> comprising

2   a sensing of an interrupt signal ~~occurring~~ <u>generated by said DDC interface</u> when said video display

3   unit is connected to said computer ~~system~~.

1   26. (Currently Amended)   A method <u>of hot-plugging a video display unit to a computer,</u>

2   comprising:

3   <u>providing the computer with a processing unit, a memory unit connected to said processing</u>

4   <u>unit, a digital data communication (DDC) interface connected to said processing unit, and a video</u>

5   <u>card connected to said processing unit and coupled to said video display unit;</u>

6   connecting [[a]] said video display unit to [[a]] said computer system after said computer

7   system has been initialized and while said computer system is being operated by a user, said video

8   display unit conveying varying visual information to [[a]] the user;

9   detecting whether said video display unit is connected to said computer system;

10   when said video display unit is detected as being connected to said computer system, reading

11   operating said DDC interface and said processing unit to read first data corresponding to said video

12   display unit from said video display unit; and

13   transmitting resolution data to [[a]] said video card coupled to said video display unit, said

14   resolution data corresponding to said first data.

1   27. (Currently Amended)   The method of claim 26, said connecting, detecting, reading

2   operating, and transmitting steps being performed without rebooting said computer system.

1   28. (Currently Amended)   The method of claim 27, said detecting further step comprising

2   operating said processing unit to carry out a polling operation periodically checking with respect to

3   said DDC interface so as to sense when said video display unit is connected to said computer system.

1   29. (Currently Amended)   The method of claim 26, said detecting further step comprising

2   operating said processing unit to carry out a polling operation periodically checking with respect to

3   said DDC interface so as to sense when said video display unit is connected to said computer system.

1   30. (Currently Amended)   The method of claim 26, said detecting ~~further~~ <u>step</u> comprising

2   a sensing of an interrupt signal ~~occurring~~ <u>generated by said DDC interface</u> when said video display

3   unit is connected to said computer ~~system~~.

1   31. (Currently Amended)   A method <u>of hot-plugging a video display unit to a computer,</u>

2   comprising:

3   <u>providing the computer with a processing unit, a memory unit connected to said processing</u>

4   <u>unit, a digital data communication (DDC) interface connected to said processing unit, and a video</u>

5   <u>card connected to said processing unit and coupled to said video display unit;</u>

6   powering on [[a]] <u>said</u> computer ~~system~~;

7   connecting [[a]] <u>said</u> video display unit to [[a]] <u>said</u> computer ~~system~~ after said powering on

8   of said computer ~~system~~, said video display unit conveying varying visual information to a user;

9   detecting whether said video display unit is connected to said computer ~~system~~;

10   when said video display unit is detected as being connected to said computer ~~system~~, ~~reading~~

11   <u>operating said DDC interface and said processing unit to read</u> first data corresponding to said video

12   display unit <u>from said video display unit</u>; and

13   transmitting resolution data to [[a]] <u>said</u> video card coupled to said video display unit, said

14   resolution data corresponding to said first data.

1   32. (Currently Amended)   The method of claim 31, said connecting, detecting, ~~reading~~

2   <u>operating</u>, and transmitting <u>steps</u> being performed without restarting said computer ~~system~~.

1   33. (Currently Amended)   The method of claim 32, said detecting ~~further~~ <u>step</u> comprising

2   <u>operating said processing unit to carry out</u> a polling operation periodically ~~checking~~ <u>with respect to</u>

3   <u>said DDC interface</u> to sense when said video display unit is connected to said computer ~~system~~.

1   34. (Currently Amended)   The method of claim 31, said detecting ~~further~~ <u>step</u> comprising

2   <u>operating said processing unit to carry out</u> a polling operation periodically ~~checking~~ <u>with respect to</u>

3   <u>said DDC interface</u> to sense when said video display unit is connected to said computer ~~system~~.

1   35. (Currently Amended)   The method of claim 31, said detecting ~~further~~ <u>step</u> comprising

2   a sensing of an interrupt signal ~~occurring~~ <u>generated by said DDC interface</u> when said video display

3   unit is connected to said computer ~~system~~.

1   36. (Currently Amended)   An apparatus, comprising:

2   a computer system <u>for</u> processing data; <u>and</u>

3   a video display unit <u>for</u> conveying varying visual information to a user, said video display

4   unit being connected to said computer system after said computer system has been powered on and

5   initialized;

6   <u>said computer system including</u> a processing unit ~~being~~ installed in said computer system,

7   <u>a digital data communication (DDC) interface connected to said processing unit, and a video card</u>

8   <u>connected to said processing unit and coupled to said video display unit;</u>

9   said processing unit processing the data including the visual information, said processing unit

10   detecting whether said video display unit is connected to said computer system, said processing unit

11   ~~reading~~ operating said DDC interface to read first data corresponding to said video display unit when

12   said video display unit is detected, said processing unit determining whether said first data

13   corresponds to second data stored [[at]] in said computer system, said processing unit storing said

14   first data, [[and]] determining resolution data corresponding to said video display unit, and

15   transmitting said resolution data when said first data does not correspond to said second data.

1   37. (Currently Amended)   The apparatus of claim 36, ~~further comprising a~~ said video card

2   being disposed between said processing unit and said video display unit, said video card receiving

3   said resolution data transmitted from said processing unit.

1   38. (Currently Amended)   The apparatus of claim 36, further comprising:

2   a first memory installed in said video display unit, said processing unit reading said first data

3   from said first memory; and

4   a second memory installed in said computer system, said second data being stored in said

5   second memory; [[and]]

6   said processing unit storing said first data in said second memory when said first data does

7   not correspond to said second data.

1   39. (Currently Amended)   The apparatus of claim 38, said detecting performed by said

2   processing unit ~~including~~ <u>comprising operating said processing unit to carry out</u> a polling operation

3   periodically ~~checking~~ <u>with respect to said DDC interface so as</u> to sense when said video display unit

4   is connected to said computer system.

1   40. (Previously Presented) The apparatus of claim 36, said resolution data corresponding

2   to an optimal resolution of said video display unit.

1   41. (Currently Amended)   The apparatus of claim 36, wherein said video display unit ~~is~~

2   ~~selected from among~~ <u>comprises one of</u> a cathode ray tube, a liquid crystal display, a gas-plasma

3   display, a light emitting diode display, an electro-luminescent display, and a field emission display.

1   42. (Currently Amended)   The apparatus of claim 36, said detecting performed by said

2   processing unit ~~including~~ <u>comprising operating said processing unit to carry out</u> a polling operation

3   periodically ~~checking~~ <u>with respect to said DDC interface so as</u> to sense when said video display unit

4   is connected to said computer system.

1   43. (Currently Amended)   An apparatus, comprising:

2   a computer system <u>for</u> processing data; <u>and</u>

3   a video display unit <u>for</u> conveying varying visual information to a user, said video display

4   unit being connected to said computer system after said computer system has been booted; [[and]]

5   <u>said computer system including</u> a processing unit ~~being~~ installed in said computer system,

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6   a digital data communication (DDC) interface connected to said processing unit, and a video card

7   connected to said processing unit and coupled to said video display unit;

8   said processing unit processing the data including the visual information, said processing unit

9   detecting whether said video display unit is connected to said computer system, said processing unit

10   ~~reading~~ operating said DDC interface to read first data corresponding to said video display unit and

11   transmitting resolution data corresponding to said first data.

1   44. (Currently Amended)   The apparatus of claim 43, ~~further comprising a~~ said video card

2   being disposed between said processing unit and said video display unit, said video card receiving

3   said resolution data transmitted from said processing unit.

1   45. (Previously Presented)   The apparatus of claim 43, further comprising a first memory

2   installed in said video display unit, said processing unit reading said first data from said first

3   memory.

1   46. (Previously Presented)   The apparatus of claim 43, said resolution data corresponding

2   to an optimal resolution of said video display unit.

1   47. (Currently Amended)   The apparatus of claim 43, said processing unit performing said

2   detecting, ~~reading~~ operating, and transmitting without restarting said computer system.

1   48. (Currently Amended)   The apparatus of claim 47, said detecting performed by said

2   processing unit ~~including~~ comprising operating said processing unit to carry out a polling operation

3   periodically ~~checking~~ with respect to said DDC interface so as to sense when said video display unit

4   is connected to said computer system.

1   49. (Currently Amended)   The apparatus of claim 43, said detecting performed by said

2   processing unit ~~including~~ comprising operating said processing unit to carry out a polling operation

3   periodically ~~checking~~ with respect to said DDC interface so as to sense when said video display unit

4   is connected to said computer system.

1   50. (Currently Amended)   The apparatus of claim 43, said detecting performed by said

2   processing unit including a sensing of an interrupt signal ~~occurring~~ generated by said DDC interface

3   when said video display unit is connected to said computer system.

1   51. (Currently Amended)   The method of claim 2, said detecting whether said video

2   display unit is newly coupled to said ~~connecting~~ processing unit ~~corresponding to~~ comprising

3   detecting whether a hot-plugging of said video display unit occurs.

1   52. (Currently Amended)   The method of claim 51, said hot-plugging of said video

2   display unit ~~corresponding to~~ comprising connecting said video display unit to said ~~connecting~~

3   processing unit after a booting process of said processing unit is completed.

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1 53. (Currently Amended)   The method of claim 2, said detecting being performed after

2 a booting process of said processing unit is completed.

1 54. (Currently Amended)   The method of claim 2, said polling operation being performed

2 after a booting process of said processing unit is completed.

1 55. (Currently Amended)   The method of claim 6, said detecting whether said video

2 display unit is newly coupled to said ~~connecting~~ processing unit ~~corresponding to~~ comprising

3 detecting whether a hot-plugging of said video display unit occurs.

1 56. (Currently Amended)   The method of claim 55, said hot-plugging of said video

2 display unit ~~corresponding to~~ comprising connecting said video display unit to said ~~connecting~~

3 processing unit after a booting process of said processing unit is completed.

1 57. (Currently Amended)   The method of claim 6, said detecting being performed after

2 a booting process of said processing unit is completed.

1 58. (Currently Amended)   The method of claim 6, said polling operation being performed

2 after a booting process of said processing unit is completed.

59. (Currently Amended)   The method of claim 7, said detecting whether said video

display unit is newly coupled to said ~~connecting~~ processing unit ~~corresponding to~~ comprising

detecting whether a hot-plugging of said video display unit occurs.

60. (Currently Amended)   The method of claim 59, said hot-plugging of said video

display unit ~~corresponding to~~ comprising connecting said video display unit to said ~~connecting~~

processing unit after a booting process of said processing unit is completed.

61. (Currently Amended)   The method of claim 7, said detecting being performed after

a booting process of said processing unit is completed.

62. (Currently Amended)   The method of claim 7, said polling operation being performed

after a booting process of said processing unit is completed.

63. (Currently Amended)   The method of claim 8, said detecting whether said video

display unit is newly coupled to said ~~connecting~~ processing unit ~~corresponding to~~ comprising

detecting whether a hot-plugging of said video display unit occurs.

64. (Currently Amended)   The method of claim 63, said hot-plugging of said video

display unit ~~corresponding to~~ comprising connecting said video display unit to said ~~connecting~~

processing unit after a booting process of said processing unit is completed.

1   65. (Currently Amended)   The method of claim 8, said detecting being performed after

2   a booting process of said processing unit is completed.

1   66. (Currently Amended)   The method of claim 8, said sensing of said interrupt signal

2   being performed after a booting process of said processing unit is completed.

1   67. (Currently Amended)   The method of claim 9, said detecting whether said video

2   display unit is newly coupled to said ~~connecting~~ processing unit ~~corresponding to~~ comprising

3   detecting whether a hot-plugging of said video display unit occurs.

1   68. (Currently Amended)   The method of claim 67, said hot-plugging of said video

2   display unit ~~corresponding to~~ comprising connecting said video display unit to said ~~connecting~~

3   processing unit after a booting process of said processing unit is completed.

1   69. (Currently Amended)   The method of claim 9, said detecting being performed after

2   a booting process of said processing unit is completed.

1   70. (Currently Amended)   The method of claim 9, said sensing of said interrupt signal

2   being performed after a booting process of said processing unit is completed.